

M A T E R I A L S A F E T Y D A T A S H E E T

DIRTEX LIQUID

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PRODUCT NAME: DIRTEX LIQUID

NFPA CODES: H F R

MSDS CODE: 750N

1 0 0

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DOT SHIPPING NAME AND LABELING: CLEANING COMPOUND - NOT REGULATED

===== SECTION I - MANUFACTURER IDENTIFICATION =====

EFFECTIVE: 01/30/2004

MANUFACTURER'S NAME: SAVOGRAN

ADDRESS : 259 LENOX STREET

PO BOX 130

NORWOOD, MA 02062-0130

PHONE : 781-762-5400

NAME OF PREPARER : MARK A. MONIQUE

=== SECTION II - HAZARDOUS INGREDIENTS UNDER OSHA HAZARD COMMUNICATION STD ===

INGREDIENTS	CAS NUMBER	WEIGHT PERCENT
DIETHANOLAMINE (23%)	111-42-2	0% - 5%
ACGIH 0.46 ppm TWA		
OSHA 3 ppm TWA		
SODIUM TETRABORATE	1303-96-4	0% - 5%
EXPOSURE GUIDELINES NOT LISTED		
PROPYLENE GLYCOL MONOBUTYL ETHER	5131-66-8	0% - 5%
EXPOSUSURE GUIDELINES NOT LISTED		

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===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

INITIAL BOILING POINT: 212F

SPECIFIC GRAVITY: 1.02

VAPOR DENSITY: HEAVIER THAN AIR

VAPOR PRESSURE (CALCULATED): UNKNOWN

EVAPORATION RATE: LESS THAN ETHER

MATERIAL V.O.C. (% BY WT.): 2.

PERCENT VOLATILE: ABOVE 85%

SOLUBILITY IN WATER: TOTAL

PH (1% IN H2O): 9-10

APPEARANCE AND ODOR: GREENISH-YELLOW LIQUID, MILD ODOR

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: NONE

METHOD USED: NO DATA

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: NO DATA

UPPER: NO DATA

EXTINGUISHING MEDIA: NONFLAMMABLE

SPECIAL FIREFIGHTING PROCEDURES:

WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN
PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NONE

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID:

NONE

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG ACIDS (E.G. HCL), STRONG OXIDIZING AGENTS (E.G. PERMANGANATES).

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

MAY CAUSE MILD IRRITATION TO THE NOSE, THROAT AND RESPIRATORY TRACT.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

SKIN: SHORT CONTACT-NO IRRITATION. PROLONGED OR FREQUENTLY REPEATED CONTACT MAY CAUSE SLIGHT IRRITATION. CAN CAUSE SLIGHT EYE IRRITATION, REDNESS, TEARING, AND BLURRED VISION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

NONE

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

INGESTION CAN CAUSE SEVERE INTERNAL IRRITATION.

HEALTH HAZARDS (CHRONIC):

NTP STUDY ON DIETHANOLAMINE: FINDINGS FROM THE NATIONAL TOXICOLOGY PROGRAM SUGGEST AN INCREASED INCIDENCE OF LIVER TUMORS IN BOTH SEXES OF MICE AND AN INCREASED INCIDENCE OF KIDNEY TUMORS IN MALE MICE DERMALLY EXPOSED FOR THEIR LIFETIME TO DIETHANOLAMINE. THE SIGNIFICANCE OF THESE FINDINGS AND THEIR RELEVANCE TO HUMANS ARE NOT CLEAR AS DIETHANOLAMINE WAS NOT GENOTOXIC (NEITHER MUTAGENIC NOR CLASTOGENIC), AND DID NOT INDUCE TUMORS IN RATS OR TRANSGENIC MICE SIMILARLY TESTED. ADDITIONAL RESEARCH WHICH IS DESIGNED TO PROVIDE A BETTER UNDERSTANDING OF THESE OBSERVATIONS TO HUMANS, IF ANY, IS UNDERWAY.

CARCINOGENICITY: NTP: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

NONE

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER. THOROUGHLY LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. IF IRRITATION AND REDNESS PERSISTS, SEE PHYSICIAN. **EYE CONTACT**: FLOOD WITH PLENTY OF WATER WITH EYE LIDS HELD OPEN FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION PROMPTLY. **INHALATION**: IF ILLNESS OCCURS, REMOVE PATIENT TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING HAS STOPPED, START ARTIFICIAL RESPIRATION. CALL PHYSICIAN IMMEDIATELY. **SWALLOWING**: DO NOT INDUCE VOMITING. IMMEDIATELY GIVE LARGE QUANTITIES OF WATER. KEEP PERSON WARM AND QUIET AND GET MEDICAL ATTENTION.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND SHOVEL INTO CONTAINERS.

WASTE DISPOSAL METHOD:

MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

EMPTIED CONTAINERS MAY RETAIN PRODUCT RESIDUES; THEREFORE, ALL PRECAUTIONS GIVEN IN THIS SHEET MUST BE OBSERVED. STORE IN COOL PLACE-OUT OF HOT SUN AND BELOW 100F.

OTHER PRECAUTIONS:

AVOID CONTACT WITH MATERIAL. DO NOT EAT, DRINK OR SMOKE WHEN HANDLING THIS MATERIAL.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION:

APPROVED ORGANIC VAPOR RESPIRATOR, IF VAPORS OR MISTS ARE GENERATED.

VENTILATION:

USE LOCAL EXHAUST TO CONTROL VAPORS.

PROTECTIVE GLOVES:

WEAR PROTECTIVE GLOVES SUCH AS NEOPRENE.

EYE PROTECTION:

CHEMICAL GOGGLES OR SAFETY GLASSES WITH SIDE SHIELD.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

NONE

===== SECTION IX - DISCLAIMER =====

JUDGEMENT OF POTENTIAL HAZARDS OF THIS PRODUCT IS BASED ON INFORMATION AVAILABLE ABOUT INDIVIDUAL COMPONENTS LISTED UNDER SECTION II - INGREDIENTS. DIRECT TESTING OF MIXTURE HAS NOT BEEN DONE. INFORMATION GIVEN HEREIN IS BELIEVED TO BE ACCURATE AND IS GIVEN IN GOOD FAITH; HOWEVER, NO WARRANTY EITHER EXPRESSED OR IMPLIED IS MADE. IT IS STRONGLY SUGGESTED THAT USERS CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT AND APPLICABLE TO THEIR SITUATIONS.